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the channel: specically the receiver has no side information about the contents of the message. The main challenge in algorithmic coding theory is to come up with figoodfl codes along with efcient encoding and decoding algorithms. Next, we elaborate on some of the core issues in meeting the above challenge. The

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ALGORITHMIC CODING THEORY - University at Buffalo
In information theory, the noisy-channel coding theorem (sometimes Shannon's theorem or Shannon's limit), establishes that for any given degree of noise contamination of a communication channel, it is possible to communicate discrete data (digital information) nearly error-free up

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Noisy-channel coding theorem - Wikipedia
The traditional course in information theory and coding teaches these together in one course in which the Shannon theory, a probabilistic the ory of information, dominates. The theory's predictions and bounds to performance are valuable to the coding engineer, but coding today is mostly about structures and algorithms and their size, speed and error performance.

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